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## Derwent Record

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Derwent Title: **Deformed lightweight aggregate prodn. - by mixing raw material contg. fly ash with water, granulating and sintering**

Original Title:  [JP58115063A2](#): IKEIKEIRYOKOTSUZAINOSEIZOHO

Assignee: **KOBE STEEL LTD** Standard company  
Other publications from [KOBE STEEL LTD \(KOBM\)](#)...

Inventor: **None**

Accession/  
Update: **1983-737972 / 198333**


IPC Code: **B01J 2/14 ; C04B 18/08 ; C04B 31/10 ;**

Derwent Classes: **L02;**

Manual Codes: **L02-D03(Light concretes) , L02-D13(Aggregates)**

Derwent Abstract: ([JP58115063A](#)) In the prepn. of lightweight aggregate by (a) mixing raw material contg. fly ash with water; (b) granulating the mixt. using a granulator of pan type; and (c) sintering the granulated grains, deformed crude grains are prepd. by (i) mixing the raw material contg. fly ash with 16-23 wt.% of water and (ii) further supplementary addn. of 1-4 wt.% water to the mixt. of the raw material and water before the granulation is completed, then the crude grains are dried and sintered (i.e. deformed grains are prepd. without causing the lowering the granule-productivity by supplementary addition of water immediately before or immediately after the beginning of granulation). Tumbling down from the conveyor is prevented. Prod. has large angle of repose and can be piled taller during storage (i.e. a large amt. of the aggregate can be stored in a small space).

[Dwg.0/2](#)

Family: **PDF Patent Pub. Date Derwent Update Pages Language IPC Code**  
 [JP58115063A](#) \* 1983-07-08 198333 5 English C04B 31/10  
 Local appls.: [JP1981000211672](#) Filed:1981-12-29 (81JP-0211672)  
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 JP87019382B = 1987-04-28 198720 English  
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Priority Number:

| Application Number              | Filed      | Original Title                              |
|---------------------------------|------------|---|
| <a href="#">JP1981000211672</a> | 1981-12-29 | <a href="#">IKEIKEIRYOKOTSUZAINOSEIZOHO</a> |

Title Terms: **DEFORM LIGHT AGGREGATE PRODUCE MIX RAW MATERIAL CONTAIN FLY ASH WATER GRANULE SINTER**

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